

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	9	("1043529"   "2887989"   "3608650").PN. OR ("3736843").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 14:25
L3	2	("2763060").URPN.	USPAT	OR	ON	2006/09/29 14:29
L4	593	(175/1,56).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:53
L5	618	(175/171).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:54
L6	357	(173/90).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:59
L7	240	(173/114).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:59
L8	239	(173/136).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:46
L9	546	(173/138).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:59
L10	76	(173/142).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 14:59
L11	669	(91/234).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:01

## EAST Search History

L12	3146	4 5 6 7 8 9 10 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 15:01
L13	240	12 and vibrat\$3 and piston and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 15:03
L14	374	("175"/\$.ccls. "173"/\$.ccls.) and (vibrat\$3 with piston) and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 15:03
L15	135	13 not L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 15:03
L18	9	("4022108"   "4230019"   "4659294"   "4784228"   "4817737"   "5038668"   "5134989").PN. OR ("5884713").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:44
L19	17	("0542498"   "1119198"   "1654833"   "2392061"   "3736843"   "4550784"   "4632190"   "4658901"   "4984640").PN. OR ("5806608").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:49
L20	11	("0608953"   "0884152"   "1245603"   "1940143"   "2763060"   "3754396").PN. OR ("4945815").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:51
L21	4	("2763060"   "2797664").PN. OR ("3680442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:51
L22	34	("0786050"   "1205140"   "1245603"   "1403583"   "1428630"   "1447694"   "1504976"   "2561577"   "2907304"   "3205787"   "3232178"   "3511137"   "3600046"   "3659504"   "3726508"   "3779672"   "4191093"   "4550646").PN. OR ("5209564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:52
L25	8	("2861548").URPN.	USPAT	OR	ON	2006/09/29 16:54

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L26	3	("6617760").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 18:32
L27	3	(sonic with drill\$3) and ballast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 18:33
L28	560	(sonic with drill\$3) and weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 18:34
L29	326	(sonic adj drill\$3) and weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 18:46
L30	2	(drill\$3 near head) with ballast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 18:47
L31	608	drill\$3 with ballast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/29 18:47
S1	6	(("5417290") or ("3375884") or ("4836299") or ("4527637") or ("5549170") or ("5562169")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/28 19:25
S2	2	"200183933"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 19:08
S3	2	(("5222425") or ("5392865")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/28 19:25
S4	344	drill and sonic and piston and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 19:28
S5	0	("2006/0162961").URPN.	USPAT	OR	ON	2006/09/28 20:55

## EAST Search History

S6	374	("175"/\$.ccls. "173"/\$.ccls.) and (vibrat\$3 with piston) and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 20:56
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